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(FILE 'HOME' ENTERED AT 12:23:51 ON 28 JUN 2002)

FILE 'REGISTRY' ENTERED AT 12:24:00 ON 28 JUN 2002  
L1 15 (8<CU<82 AND 5<AL<50 AND PB<32 AND 5<SI<50)/MAC

FILE 'HCAPLUS' ENTERED AT 12:24:39 ON 28 JUN 2002  
L2 7 L1  
L3 6 L2 AND (COPPER OR CU) AND (ALUMINUM OR AL) AND (SILICON OR SI)  
SELECT L3 PN 1 4 5

FILE 'WPIDS' ENTERED AT 12:29:16 ON 28 JUN 2002  
L4 3 E1-9  
SELECT L4 IPC 1-  
L5 30167 E10-37  
L6 4900 (FLAME OR THERMAL) (2A) SPRAY?  
L7 1296 L5 AND L6  
L8 32 L7 AND (COPPER OR CU) AND (ALUMINUM OR AL) AND (SILICON OR SI)

FILE 'ZCA' ENTERED AT 12:31:09 ON 28 JUN 2002

FILE 'USPATFULL, USPAT2' ENTERED AT 12:48:12 ON 28 JUN 2002  
L9 0 L1

AN 1995-126379 [17] WPIDS  
DNC C1995-057807  
TI Slide material for engines and speed reducers - comprising metal matrix  
and wear resistant brass coated applied by thermally spraying.  
DC M13  
PA (NAKA-N) NAKAGOSHI GOKIN CHUKO KK  
CYC 1  
PI JP 07048665 A 19950221 (199517)\* 7p <--  
JP 3256041 B2 20020212 (200213) 6p <--  
ADT JP 07048665 A JP 1993-214989 19930805; JP 3256041 B2 JP 1993-214989  
19930805  
FDT JP 3256041 B2 Previous Publ. JP 07048665  
PRAI JP 1993-214989 19930805  
AB JP 07048665 A UPAB: 19950508  
The material comprises a metal matrix and a wear of resistant coating  
formed by direct **thermal spraying** of a wear resistant  
brass material. The brass material is an alloy comprising (by wt.) 20-45%  
Zn, 0.1-10% of at least one of **Al**, Mn, Fe, Ni, **Si**, Co,  
Cr, Ti, Nb, V, Zr, Mo and Pb, and balance **Cu**.  
USE - For slide parts of engines and speed reducers.  
Dwg.0/5



AN 1999:254029 HCAPLUS  
DN 130:270537  
TI Manufacture of shoes for compressors  
IN Kitagawa, Yoshiaki; Asano, Hiroyuki; Muramatsu, Shogo; Akizuki, Masanori  
PA Taiho Kogyo Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11107913	A2	19990420	JP 1998-100594	19980327
PRAI	JP 1997-225712		19970807		

AB The title process comprises cutting a tubular preform to the prescribed length, forming a spherical sliding surface on one end of the obtained workpiece, forming a sprayed layer on the other end of the workpiece by a high-speed gas **flame spraying** to obtain a flat sliding surface. The sprayed layer is from a **Cu** alloy, preferably, contg. Pb .ltoreq.40, Sn .ltoreq.30, P .ltoreq.0.5, **Al** .ltoreq.15, Ag .ltoreq.10, **Si** .ltoreq.5, Mn .ltoreq.5, Cr .ltoreq.5, Ni .ltoreq.20, and Zn .ltoreq.30%, or from an **Al** -(12-60%) **Si** alloy contg. dispersed **Si** particles.

AN 1996:609463 HCAPLUS  
 DN 125:228314  
 TI **Copper**-based alloy powders for wear-resistant hardfacing  
 IN Oogami, Takashi; Ninomya, Ryuji; Kubota, Kohei  
 PA Mitsui Mining & Smelting Co, Japan  
 SO Jpn. Kokai Tokkyo Koho, 5  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08174272	A2	19960709	JP 1994-318804	19941221
AB	<p>             The <b>Cu</b> alloy powders comprise Mn 5-40, <b>Si</b> 1-9, and optionally .gtoreq.1 strength improving metals selected from <b>Al</b> .ltoreq.7.5, Zn .ltoreq.30, Sn .ltoreq.15, and/or Pb .ltoreq.10 wt.%. The alloys may contain 0.01-1 wt.% .gtoreq.1 silicide-forming metals selected from Y, lanthanoids, Ti, Zr, Hf, Ca, and Mg. The alloys may contain .gtoreq.1 high-temp. strength improving metals selected from Mo, Nb, W, and V .ltoreq.20, Fe .ltoreq.20, Co .ltoreq.20, and Cr .ltoreq.20 wt.%. The alloys may contain .gtoreq.1 hardening elements selected from B .ltoreq.2, C .ltoreq.2, and solid-soln. O .ltoreq.0.01-0.1 wt.%. Members obtained by hardfacing with the alloys by laser, plasma arc, or electron beam are also claimed. The alloy powders have high heat resistance, strength, and weldability.           </p>				